

Docket No.: NEB-180

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: W.E. Jack, et al. EXAMINER:

SERIAL NO.: GROUP:

FILED:

FOR: Use of Site-Specific Nicking Endonucleases To
Create Single-Stranded Regions And
Applications Thereof

Hon. Commissioner of Patents
and Trademarks

Sir:

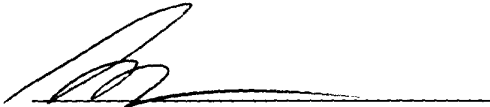
**STATEMENTS IN SUPPORT OF FILING
AND SUBMISSIONS IN ACCORDANCE WITH 37 C.F.R.
§§1.821.1-1.825**

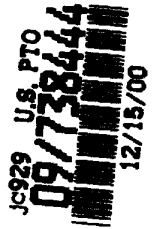
In accordance with 37 C.F.R. §§1.821-1.825, I hereby state that the contents of the paper and computer-readable copies of the sequence listing submitted in accordance with 37 C.F.R. §1.821(c) and (e), respectively, are the same. I hereby state that the submission, filed in accordance with 37 C.F.R. §1.821(g) does not introduce new matter.

Respectfully submitted,

NEW ENGLAND BIOLABS, INC.

Date: 11/25/00


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SCANNED, #

SEQUENCE LISTING

<110> Jack, William E.
Schildkraut, Ira
Menin, Julie F.
Greenough, Lucia

<120> Use of Site-Specific Nicking Endonucleases to Create
Single-Stranded Regions And Applications Thereof

<130> NEB-180

<140>

<141>

<160> 51

<170> PatentIn Ver. 2.0

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<211> 40

<212> DNA

<213> Synthetic oligonucleotide

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40

<210> 2

<211> 38

<212> DNA

<213> synthetic oligonucleotide

<400> 2

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38

<210> 3

<211> 38

<212> DNA

<213> synthetic oligonucleotide

<400> 3

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38

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<211> 56

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tagcgatggg acatgacgac tc 82

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<210> 10
<211> 18
<212> DNA

<213> synthetic oligonucleotide

<400> 10

agatctctgc agtctaga

18

<210> 11

<211> 21

<212> DNA

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<400> 11

tacattcaaa tatgtatccg c

21

<210> 12

<211> 21

<212> DNA

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<400> 12

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<210> 13

<211> 54

<212> DNA

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54

<210> 14

<211> 54

<212> DNA

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<400> 14

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54

<210> 15

<211> 10

<212> DNA

<213> N.BstNBI Recognition Sequence

<220>

<223> N indicates any base (subject to the normal rules
of base pairing between the strands).

<400> 15

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10

<210> 16
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<220>

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sequences - all randomly generated

<400> 16
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<210> 17
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18

<210> 18
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18

<210> 19
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<210> 26
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<400> 26
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18

<210> 27
<211> 18
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<223> Description of Artificial Sequence: Theoretical
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<400> 27
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<210> 28
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<213> Artificial Sequence

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<400> 28
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<210> 29
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<220>
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<400> 29
tgtaccatcg ctaacagg 18

<210> 30
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<223> Description of Artificial Sequence: Theoretical
sequence - implemented via the synthetic
oligonucleotide, but never existed as independent
entity

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<210> 31
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<212> DNA
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<210> 34
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<210> 35
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<400> 35

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12

<210> 36

<211> 12

<212> DNA

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<400> 36

caatggtgcc ag

12

<210> 37

<211> 12

<212> DNA

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12

<210> 38

<211> 12

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Theoretical
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<400> 38

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<210> 39

<211> 12

<212> DNA

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<223> Description of Artificial Sequence: Theoretical

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12

<210> 40

<211> 12

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<223> Description of Artificial Sequence: Theoretical
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12

<210> 41

<211> 12

<212> DNA

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12

<210> 42

<211> 12

<212> DNA

<213> Artificial Sequence

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12

<210> 43

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<400> 43

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12

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12

<210> 45

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<210> 46

<211> 12

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<212> DNA

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<211> 48

<212> DNA

<213> synthetic oligonucleotide

<220>

<223> Description of Artificial Sequence:N/A

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48